



CLARIFYING ATC

THE *ATC* (AIR TRAFFIC CONTROL) *EQUIPMENT COLD FACTS* ARTICLE ON PAGE 37 OF PS 579 TELLS YOU HOW TO AVOID SHORT CIRCUITS AND BLOWN SEALS.

Venting Your Radar Set

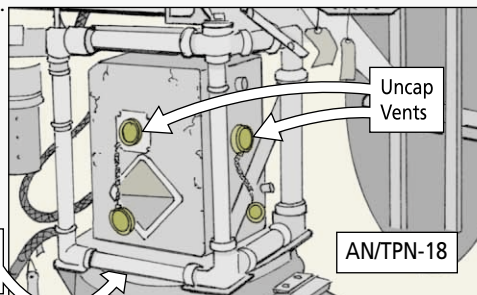


The AN/TPN-18 radar set has three ventilation points.

★ There are two capped vents.

One is on the receiver-transmitter (RT) side panel and one is on the rear panel. Uncap both vents before turning the radar set on.

★ A vent cover is located on the underside of the RT. Remove the cover before turning the radar set on.

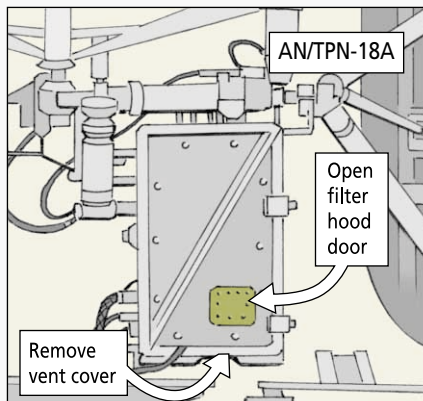


The AN/TPN-18A radar set has two ventilation points.

★ A vent cover is located on the underside of the RT. Remove the cover before turning the radar set on.

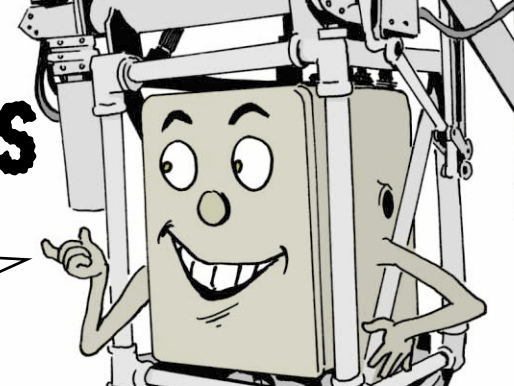
★ A filter hood door is located on the front of the RT. Open this door before turning the radar set on.

When the radar set is turned off, replace the covers, close the filter door and cap the vents when internal components have cooled down enough to prevent moisture buildup. You know the unit is **cooled down** when no heat radiates from the unit and it is cool to the touch.



COLD FACTS

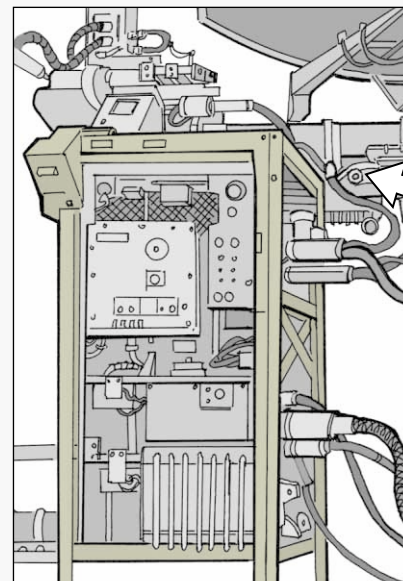
BUT IT DOES *NOT* TELL YOU HOW TO VENT THE RADAR SETS OR CHECK THE AZIMUTH DRIVE OIL LEVEL. HERE'S THE SCOOP...



Check Azimuth Drive Oil



The azimuth drive illustration in TM 11-5840-281-12, and -12-1, tells you to check the oil level at the azimuth oil fill plug opening. But that spells trouble because the oil fill plug doubles as a vent for the azimuth drive. If you fill this reservoir with oil, you'll plug the vent and the overfill condition will lead to a blown azimuth drive seal.



The oil level check plug is located on the opposite side of the drawing pictured in your TM—and in PS—next to the J1003. You must remove the plug to check the oil level.

The oil level should always be flush with the bottom of the plug opening. Otherwise, you need to add oil. Check the oil level at the oil level check plug and overfill problems will be a thing of the past. So will blown seals.

Oil level check plug

Oil fill plug

Oil drain plug